

KLORIK'YAN, S. Kh., inzh.; PRUDKIN, Ya. M., inzh.

Mechanization of auxiliary and development mining operations.  
Ugol'37 no. 5:32-35 My '62. (MIRA 15:6)

1. Gosudarstvennyy proyektno-konstruktorskiy i eksperimental'nyy  
institut ugol'nogo mashinostroyeniya.  
(Coal mines and mining)

KIARCHENKO, A. K., KRAZHEKOVSKIY, G. V., KLEMENTOV, K. K., KLORIKIAN, S. KH., and  
KIZIN, IV.

"Scientific and technical experience of USSR in the coal industry development  
of promoting oil industry"

report to be submitted for the United Nations Conference on the  
Application of Science and Technology for the Benefit of the Less  
Developed Areas - Geneva, Switzerland, 4-20 Feb 63.

KILOK'YAN, S.Kh.

Efficiency of the introduction of new means for over-burden reduction of stoping operations in coal mines. Biol. tekhn.-ekon. inform. 1980, nauch.-tekhn. inst. nauch. i tekhn. inform. 17 no.8:17-22 (in Russ.)

(CIA-17-11)

KLORIK'YAN, S.Kh., kand. tekhn. nauk; BAILYKOV, V.M., kand. tekhn. nauk

Equipment sets for mining coal in thin flat seams. Mekh.  
1 avtom. proizv. 18 no.712-16 Jl '64. (MIRA 17:9)

1. Direktor Gosudarstvennogo proyektno-konstruktorskogo i  
eksperimental'nogo instituta ugol'nogo mashinostroyeniya  
(for Klrik'yan).

KLORIK'YAN, S.Kh., kand. tekhn. nauk; BALYKOV, V.M., kand. tekhn. nauk;  
PRUDKIN, Ya.M., inzh.

Expansion of complex mechanization in flat seam stopes.  
Ugol' 39 no.8:52-58 Ag '64. (MIRA 17:10)

KLORIK'YAN, S.Kh.; GRIDIN, A.D.; PARAMONOV, V.I.

At the Scientific Technical Council of the State Experimental  
Institute of Design and Construction for the Coal Machinery  
Industry. Ugol' 39 no.11:66-69 N 164.

(MIRA 18:2)

KLORI TAY, S.Kh., kand.tehn.nauk; SAMOYLYUK, N.D., kand.tehn.nauk

New equipment for mechanizing auxiliary operations in longwalls.  
Igol' 39 no. 12:36-40 D 14.  
(MIRA 18:2)

1. Gosudarstvennyy proyektno-konstruktorskiy i eksperimental'nyy  
institut ugol'nogo mashinostroyeniya.

KLORIK'YAN, S.Kh., kand.tekhn.nauk

Creation of powered supports and complexes: In the State Experimental Institute of Design and Construction for the Coal Machinery Industry. Ugol' 40 no.5125-30 My '65. (MIRA 18:6)

1. Direktor Gosudarstvennogo proyektno-konstruktorskogo i eksperimental'nogo instituta ugol'nogo mashinostroyeniya, Moskva.

KLORIK'YAN, V. Kh.

Installation of metal piles above mines. Moskva, Ugletekhnizdat, 1947. 159 p.  
(49-51206)

TA780.K6

KLORIK'YAN, V. Kh.

[Installation of coal mining machinery] Montash mekhanicheskikh  
konstruktsiy ugel'nykh shakht. Issd. 2., dep. 1 perep. Moskva,  
Ugletekhnodat, 1954. 217 p.  
(Coal mining machinery)

KLORIKIAN, V. P.  
VIMERSKIY, Yefim Naumovich, inzhener; LIMKOV, Aleksandr Viktorovich,  
inzhener; KLORIKIAN, V. P., otvetstvennyy redaktor; SMIRNOV,  
L.V., redaktor izdatel'stva; KOROVENKOVA, Z.A., tekhnicheskiy  
redaktor; ALADOVA, Ye.I., tekhnicheskiy redaktor

[Assembling and dismantling sectional headframes] Sborno-rasbornye  
prokhodcheskie kopy. Moskva, Ugletekhnidat, 1957. 104 p.  
(Mining engineering) (MLRA 10:7)

KLORIK 'YAN, V.Kh., Ingsh.

Swinging of buckets in shafts when moving without guides. Nauch.dokl.  
vys.shkoly; gor.delo no.4:171-180 '58. (MIRA 12:1)

1. Predstavlenno kafedroy gornoy mekhaniki Moskovskogo gornogo instituta  
imeni I.V. Stalina.  
(Mine hoisting)

KLORIK'YAN, V. Kh., Candidate Tech Sci (diss) -- "Selection of systems of control and the type of drive for two-bucket rock-hoisting equipment". Moscow, 1959.  
17 pp (Min Higher Educ USSR, Moscow Mining Inst im I. V. Stalin), 150 copies  
(KL, No 26, 1959, 125)

GORNCPOL'SKIY, Abram Isaakovich; RAPOPORT, Pavel Isaakovich; KLORIK'YAN,  
V.Kh., ovt. red.; KOSTON'YAN, A.Ya., red. izd-va; SABITOV, A., tekhn.  
red.

[Operation and repair of mining machinery; for electrotechnicians  
in mine construction] Ekspluatatsiya i remont gornopromyshlennogo  
oborudovaniia; dlia elektrolesarei na stroitel'stve shakht. Mo-  
skva, Gos.nauchno-tekhn. izd-vo lit-ry po gornomu delu, 1960. 410 p.

(MIRA 14:6)

(Mining machinery—Maintenance and repair)

VINARSKIY, Yefim Naumovich, inzh.; LINKOV, Aleksandr Viktorovich, inzh.;  
KLORIK'YAN, V.Kh., otd. red.; KOSTON'YAN, A.Ya., red. izd-va;  
BOLDYREVA, Z.A., tekhn. red.

[Headframes for shaft sinking] Kopyry dlja prokhodki shakhtrykh  
stvolov. Moakva, Gosgortekhnizdat, 1962. 182 p. (MIRA 15:5)  
(Shaft sinking--Equipment and supplies)

KLORIK'YAN, V.Kh., insh.

Experimental study of the operating conditions of bucket-type  
mine hoists. Nauch. trudy MGU no.23:169-178 '58. (MIRA 15:12)  
(Mine hoisting)

KLOPOCINSKI, Wacław, mgr. inż.

On geodesy, its administration and working methods.  
Przegl techn 79 no.9:404-405 My 158.

KLOS, Albert

Belgian one-phase locomotives with silicon rectifiers. Zel dop tech 9  
no.12:378 '61.

K-LOS-A

Elm A. Problems of Operation Equilibrium in a Synchronous Machine in Case of Voltage Fluctuations in a Grid Network

Equivalency rowne tyl. pracy zazwyczaj synchronicznej przy zmianach napięcia sieci zazw. nocy "Przegląd Elektrotechniczny" Nr 7 1956, pp. 276-282, 18 figs.

In a branched power network system there occur in the course of operation a number of circumstances which are accompanied by voltage fluctuations at various points of the circuit. Such fluctuations obviously affect the operation of synchronous machines connected at these points. This article analyzes the operation of a synchronous machine subject to voltage fluctuations in the circuit, assuming the voltage to be right. An examination is made of the question of operation equilibrium of the machine, in particular when voltage fluctuations of a different character are involved.

10/1

KLOS, A.

Load capacity of synchronous generators from the point of view of thermal resistivity. p.12.

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Vol. 10, no. 1, Jan./Feb. 1956

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KŁOS, A. Concerning the dispatching service in electric-power engineering.  
p. 154

Vol. 10, no. 3, May/June 1956

ENERGETYKA

POLITICAL SCIENCE

Warszawa, Poland

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in cases of voltage fluctuations of nonelastic systems. p.282  
Vol. 32, no. 7 July 1956 Warszawa Poland

SOURCE: East European Accessions List (EEAL) Vol. 6 No. 4 April 1957

KILOS, A.

Problem of frequency control in an electric-power system. Pt. 1. ( To be  
contd.) p. 209.

(RZYMOWKA. Vol. 11, no. 4, July/Aug. 1957. Warszawa, Poland)

SO: Monthly List of East European Accessions (EHAL) M. V(L. 6, no. 12, Dec. 1957.  
Incl.

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Calculation of the power-flow diagram in power systems using the  
digital computer. Pt.1. (To be contd.). Energetyka Pol 14 no.10  
Biuletyn 31-32 0 '60. (EEAI 10:3)

1. Zakład systemów Energetycznych  
(Electric networks) (Electronic digital computers)

KLOS, Andrzej, mgr inż.; GLADYS, Henryk, mgr inż.

Calculation of the power-flow diagram in power systems using the  
digital computer. Pt.2. Energetyka Pol 14 no.11 Biuletyn:35-36  
N '60. (EKAI 10:3)

1. Zakład Systemów Energetycznych  
(Electric networks) (Electronic digital computers)

KLOS, Andrzej, mgr inż.; GLADYS, Henryk, mgr inż.

Consideration of network losses in the economical distribution of loads.  
Energetyka 14 no.12:373-378 D '60. (EKAI 10:5)  
(Electric networks)  
(Electric power)

KŁOŚ, Andrzej, dr., ins.; BOLKOWSKA, Barbara, mgr., ins.

Application of digital computers to technical calculations. Przegl  
elektrotechn 37 no.8:316-318 '61.

(Computers)

KLOS, Andrzej, dr., ins.; TWARDY, Lucjan, mgr., ins.; ZIELINSKI, Jerzy  
Kazimierz, mgr., ins.

Economic load distribution; application of digital computers to  
problems of economic load distribution in large power systems with  
regard to network losses. Przegl elektrotechn 37 no.8:335-339 '61.

(Electric power)  
(Electronic calculating machines)

KLOS, Andrzej, dr. inż.; TWARDY, Lucjan, mgr. inż.; ZIELINSKI, Jerzy Kazimierz, mgr. inż.

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Jerzy Kazimierz, mgr.ins.

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and turbines for operation during the off-peak load of the  
electric power system. Pt. 2. Energetyka Pol 16 no.7:198-203  
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KLOS, Andrzej, dr ins.; GLADYS, Henryk, mgr ins.

Certain applications of computers in electric power systems in the  
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KŁOS, Andrzej, dr inż.; FRANCZAK, Ryszard, mgr inż.

Calculation of the incremental rate of a one-pressure steam power station with a digital computer. Energetyka Pol 17 no.8:  
~~Supplement: Biul inst energ 5 no.7/8: 26-28 163.~~

1. Zakład Techniki Cyfrowej, Instytut Energetyki, Warszawa.

KŁOS, Andrzej, dr inż.; FRYDRYCHOWSKI, Ryszard, mgr

User of the digital computer for calculations of the probable power balance distribution in electric power networks.  
Energetyka Pol 18 no.10:Suppl.: Biul Inst energetyki 6  
no.9/10:46-47 O '64.

1. Department of Computer Techniques, Institute of Power Engineering, Warsaw.

KLOS, Cz.

Polish Technical Abst.  
No. 1 1954  
Building Industry  
and Architecture

1403  
723.30 : 024.903.04  
Kłod Cz., Dąbrowski C. The Problem of Statics of Hoppers under Silo  
Tiers.

"Z zagadnieni statyki lejow pod komorami silosowymi". Inżynieria  
Budownictwa, No. 2, 1953, pp. 58-61, 9 figs.

Adaptation of Janiszewski's formula for the static computation of silo  
bins with small profiles in relation to height. The method advanced  
applies equally to bins with inclined walls. A number of simplified  
factors are introduced for determining the stress, bending and torsion  
moments in trapezoidal hopper slabs, with due allowance for the accu-  
rate conception of force disrupting the hopper from straight portion  
of the bin.

KLOS, C.

Polish Technical Abst.  
No. 4, 1953  
Building Industry and  
Architecture

2506

624.072.23/32:725.36

Klos C. Influence of Temperature Variations on Silo  
Cell Casings.

Splyw zmian temperatury na ploscze komory w silosach.  
Inzynieria d Budownictwo. Nr. 10, 1952, pp. 313-316, 6 figs.  
Failures which occur in erecting silos call for a critical  
approach to computations and if necessary, for amendments or  
addenda thereto Integrated circular silo cellus contain  
bar elements and arch elements —both slack and resilient.  
Every one of these element groups calls for a different  
form of static computation. It follows from the considera-  
tions of this problem that the bar elements are complex  
static elements with varying bending moments or axial  
forces caused by composite load, and it is necessary,  
when computing circular elements to make due allowance for  
the influence of temperature variations.

KLOS, Jan, MUDr

Prevention of hearing disorders in children. Cesk. otolar. 3  
no.2:85-90 My '94.

(HEARING DISORDERS, in infant and child,  
\*prev.)

KLOS, JAN.

KLOS, Jan, MUDr

Significance of otitis media in toxicosis. Pediat. listy 9 no.  
2196-98 Ap '54.

1. Z dětské otolaryngologické kliniky. Prednosta prof. MUDr.  
B. Wiskovský.

(INFANT NUTRITION DISORDERS,

\*toxicosis, with otitis media)

(OTITIS MEDIA, in infant and child,

\*in toxicosis)

KLOS, Jan, MUDr

Hypopharyngeal injuries in children. Cas. lek. cesk. 93 no.31-32:861-864 6 Aug 54.

1. Z detske otolaryngologicke kliniky (prednosta prof. MUDr B. Viskovsky)

(PHARYNX, wounds and injuries,  
in child., hypopharynx)

(WOUNDS AND INJURIES,  
hypopharynx in child.)

K105, Jan  
EXCERPTA MEDICA Sec.11 Vol.8/9 O.R.L. Sept 1955

1732. Kildig J. Papillomatosis laryngis. Papillomatosis of larynx 851.  
OTOTOLARYNG. 1955, 4/1 (10-33) Tables 1 Illus. 2  
Of 26 patients treated with usual methods 18 (69.2%) were healed. In 2 there was  
spontaneous regression with advancing age. Six of the patients were not cured,  
one of them died after tracheotomy and 2 remained cannulated. Treatment with

2 detske otolaryngol.  
klin

RDP86-00513R000

KLOS, Jan, MUDr.

Problems in otorhinolaryngology in children. Cesk. otolar. 6 no.3:  
180-191 June 57.

(OTORHINOLARYNGOLOGICAL DISEASES, in inf. & child  
(Cs))

KLO8, Jan

Reconstructive surgery in chronic otitis media in children.  
Cesk. otolar. 9 no. 1:16-21 7 '60.

1. Detska otolaryngologicka katedra fakulty detskeho lekarstvi  
EU, vedouci doc. dr. Jan Chvojka.  
(OTITIS MEDIA surg.)

KLOS, Jan; HLOUSKOVA, Zdenka

Bronchoscopy in children. Cesk.pediat.15 no.6/7:524-527 J1'60.

1. Katedra detske otorinolaryngologie fakulty detskeho lekarstvi,  
vedouci doc.MUDr. J.Chvojka a Katedra fakultni pediatrie fakulty  
detskeho lekarstvi, vedouci prof.MUDr. J.Koustek.  
(BRONCHOSCOPY in inf & child)

KLOS, J.; BENDA, I.; KOPECKIJ, L.

Use of contralateral rhinomanometry for the determination of nasal patency in children. Cesk. pediat. 17 no.5/6:412-415 Je '62.

1. Katedra detske otorinolaryngologie fakulty detskeho lekarstvi  
University Karlovy v Praze, prosatimni vedouci MUDr. J. Klos.

(NOSE physiol)

JEKLER, J.; KOBYLKOVÁ, M.; BEJBLIKOVÁ, M.; KLOS, J.

Resection of the esophagus with transposition of the colon  
in children with recurrent hemorrhage in esophageal varices,  
previously treated by suturing. Rozhl. chir. 43 no.2:83-88  
F'64.

1. II. chirurgicka klinika fakulty všeobecného lekarství KU  
v Praze (prednosta: prof. dr. J. Ihotka); III. dětská klinika  
fakulty všeobecného lekarství KU v Praze (prednosta: prof. dr.  
O. Vychytíl) a Dětská otorolaryngologická klinika fakulty dětského  
lekarství KU v Praze (prednosta: doc. dr. J. Klos).

\*-

KLOS, J., BENDA, J.; KOPECKIJ, L.; COPOVA, M.

Effect of surgical correction of a deformed nasal septum on  
pathological changes in the respiratory tract. Cesk. pediat.  
19 no.4:349-353 Ap'54.

1. Katedra detske otolaryngologie fakulty detskeho lekarstvi  
KU v Praze (zast. vedouci: doc.dr.J.Klos, CSc.) a II. detska  
klinika fakulty detskeho lekarstvi KU v Praze (prednosta:  
prof.dr.J.Houstek, DrSc.).

\*

KLOS, J.

Thrombosis of the sinus cavernosus. Cesk. otolaryng. 13  
no. 2:117-121 Ap '64.

1. Katedra detske otorinolaryngologie fakulty detskeho lekarstvi  
KU [Karlova Universita] v Praze (zast. vedouci doc. dr. J. Klos,  
CSc.).

KLOS, J.

Attempt to improve the results in tympanoplastie operations.  
Cesk. otolaryng. 13 no.6:331-335 N '64.

1. Katedra detske otolaryngologie fakulty detskeho lekarstvi  
Karlov University v Praze ( zast. vedouci doc. dr. J. Klos, CSc.)

KLOS, J.

Complications of diseases of the paranasal sinuses in children.  
Cesk. pediat. 19 no.11:983-988 N '64

1. Katedra detske otolaryngologie fakulty detskeho lekarstvi  
Karlovych University v Praze (zaстupujici vedouci: doc. dr.  
J. Klos, CSc.)

KLOS, J.; TREFNA, B.

Chemical injury of the esophagus. Cesk. otolaryng. 14 no. 5:  
286-290 0 ' 65

1. Katedra detske otolaryngologie fakulty detskeho lekarstvu  
Karlov University v Praze (vedouci - doc. dr. J. Klos, CSc.)

KLOS, Kazimierz, major

The rescue team of the Air Defense Association at the Association of Cotton Industry in Lodz. Przegl techn 85 no.44:11  
1 N'64

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2/332/62/001/001/005/007  
0291/0303

9.1912 (1127)

AUTHORS:

Kics, Oldrich, Nasil, Jindrich, and Sloboda, Libor.  
Engineers

TITLE:

Properties of a defocused paraboloid of revolution

PERIODICAL:

Slaboproud' otzor, v. 23, no. 1, 1962, p. - 45.

TEXT: The article summarizes and evaluates the properties of a defocused paraboloid of revolution (radar-antenna reflector), resulting from geometrical-optical analyses. Optimum focusing curves are determined by the so-called 'reference paraboloid' method and a method based on paraboloid reflection; obtained theoretical results are confirmed on parabolic reflectors operating on a wavelength of 5.3 cm. After a general description of basic properties of a paraboloid of revolution, the authors list the 'reference paraboloid' method developed by J. Salomon and B. Brunet, and the reflection method developed by C.J. Sletten, R.B. Mark, W.G. Kavroides, and H.M. Johnson for optimum focusing-curve determination. Theoretical results, obtained by these two

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2/039/52/023/001/005/007  
5291/3303

Properties of a defocused ...

methods, are experimentally confirmed on a cut-off paraboloid measuring 75.0 x 180.0 x 56.0 cm (vertical x horizontal dimension x focal distance), operating on a wavelength of 3.2 cm. This paraboloid reflector was illuminated by a 5.03 x 4.27 cm horn which was gradually shifted to the side (defocused), along a line normal to the focal line. This arrangement was used to measure horizontal polar diagrams and the influence of horn positions on directional characteristics and the antenna gain. When the horn is shifted so that its axis is parallel to the focal line, it was found that side lobes become more prominent, the polar diagram is widened, and that the gain loss is also greater. When the horn is shifted so that its axis always points to the paraboloid peak, directional-characteristic changes become less prominent and the gain loss is also smaller. The optimum focusing curve was experimentally determined on a reflector measuring 75.0 x 180.0 x 36.6 cm, which was illuminated by a slot antenna with an inclination of 6.2° towards the line normal to the focal line. By measuring radiation pattern sections, normal to the vertical plane, at var-

Card 2/3

Properties of a defocused ...

Z/039/62/C23/C01/C05/C07  
3291/3505

icous angles ( $\beta$ ), it was found that the pattern on the +3 dB level at  $\beta = 30^\circ$ , is only 60 % wider than the same pattern at  $\beta = 0^\circ$ . The optimum focusing curve for a reflector illuminated by a horn is achieved when the horn is placed on a circular line with a diameter equalling the focal distance. There are 8 figures and 5 references: 1 Soviet-bloc and 4 non-Soviet-bloc. The references to the English-language publications read as follows: J.A. Kuecken: Feed optimization in multi-feed antennas. IRE Wescon Conv. Rec. Part 1, A-P, p. 164, 1957; C.J. Sletten R.B. Mark-W.G. Mavroides-H.M. Johanson: Corrective Line Sources for Paraboloids. Trans. IRE, AP-6, 1958, July, no. 3, p. 239 - 251.

ASSOCIATION: TESLA Pardubice, n.p., výzkumný a vývojový závod Opočínek (TESLA Pardubice, National Enterprise, Research and Development Plant in Opočínek) X

SUBMITTED: June 28, 1961

Card 3/3

KLOS, Otakar

Third year of the course of machine tool modernization with documentation on modernization elements, Tech praca 15 no. 12: 1008-1011 D '63.

1. Odborná skupina pro modernizaci obráběcích strojů a zařízení při Závodním pobocce Československé vedecko-technické společnosti, Závody průmyslového strojírenství, Gottwaldov.

KLOS, Otakar (Gottwaldov)

A seminar for designers and technicians of general repair  
shops and of technical development plants. Tech praca 14  
no.10:831-832 '62.

KIAS, Otakar

Planning and utilization of modern elements in the general overhaul.  
Tech praca 16 no.104819-820 C '64.

1. Zavody presneho strojirenstvi National Enterprise, Gottwaldov.

KLOS, S.; OJZANOWSKI, J.

"Shortcomings of Vocational Vocabulary", p. 24, (PRZEWODNIK DRZEWNY, Vol. 5, No. 10, Oct. 1954, Warszawa, Poland)

SO: Monthly List of East European Accessions, (EHAL), LC, Vol. 4, No. 5, May 1955, Uncl.

KILOS, S.; OJRZANOWSKI, J.

Scientific-technical conference on the subject: "Problems of Drying Sawed Materials." p. 25., (PRZEMYSŁ DRZEWNY, Vol. 5, No. 10, Oct. 1954, Warszawa, Poland.)

SO: Monthly List of East European Accessions, (EEAU), LC, Vol. 4, No. 5, May 1955, Unol.

KILOS, S.; OJRNAOWSKI, J.

Chipless sawing of lumber., p. 27., (PAZEMYSL DRZEWNY, Vol. 5, No. 10, Oct. 1954,  
Warszawa, Poland.)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4, No. 5, May  
1955, Unol.

2105-S

52

Properties of cyclohexyl hydroxylic est. 1. The synthesis and properties of *11*-cyclohexeneoic acid. K. Kharasch, M. Plesch and S. Plesch. *J. Applied Chem.* (U. S. S. R.) 13, 1269-74 (1960).—Decyl alk. refluxed with Br for 8 hrs. in the presence of excess HgCl<sub>2</sub> yielded 61%  $C_{11}H_{18}Br$ ,  $\eta_0$  119,  $\eta_0^2$  1.4504,  $d_{40}^2$  1.071, MR 0.5267. Cyclohexeneoic acid, in the usual way, combined with  $Br_2\cdot Cl(C_2H_5)_2$  also in the usual way, yielded 62% of *11*-bromo-*11*-cyclohexeneoic,  $C_{11}H_{16}Br(OH)Cl(C_2H_5)_2$ ,  $\eta_0$  233-6,  $\eta_0^2$  0.8861,  $\eta_0^2$  1.458 (not pure). The alk., reduced in an anhydride at 240-5° under an initial 11 pressure of H<sub>2</sub> atm. in the presence of a Ni catalyst for 3 hrs. yielded *11*-cyclohexeneoic, ( $\eta_0$ ,  $\eta_0^2$  233-6, (all following figures for 30-60°) & 0.8169-0.7896,  $\eta_0^2$  1.4554-1.4404  $R_p$  (sp. refraction) 0.2251-0.2326, surface tension 30.3 27.0 dyne/cm. and partition 1200-1200; viscosity at 20-100° 4.26-1.262° B, or 20.53-2.94 centipoise. A. A. Pudovik

ABD-11A METALLURGICAL LITERATURE CLASSIFICATION

C-174807-10000

KLOB, Tadeusz, mgr ins.

~~A systematic and accidental error of the chemical laboratory of  
the Konrad Mining Works. Rudy i metale 8 no.6:219-221 Je '63.~~

"APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000723210015-0

KLOS, Zdenek, inz.

New voltage testers. Elektronik 19 no. 7:196-199 Jl '64.

1. Metra National Enterprise, Blansko.

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CIA-RDP86-00513R000723210015-0"

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KLOSA J.

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17

New synthetic estrogens. Javed Akhtar and Paul J. S.  
11-21(1981). A review with 24 references. R. H. S.  
The complete synthesis of estrogenic hormones. Jerry  
Ginsberg. 11-21(1981) Chem. & Eng. News, 118-24 (1981).—A review.  
Adam Szymanski

KLOSA, JOSEF

1  
Plague and death cases. Josef Klosa. Oct. 643,414.  
July 7, 1952 (Cl. 11-23) Payback 643,414  
Received from the U.S. and ending in 1952  
including all parts of the U.S. and ending in 1952  
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2

KLOSA, JOSEF

Derivatives of ethyl 1,4-dihydroxy-4-methyl-3-pyridinecarboxylate (I) were prep'd. in an attempt to find the therapeutically active compds., particularly tubercularic acid. I, m. 208-10°, was prep'd. in 76 g. yield by adding 178.8 g. pure  $\text{CH}_3(\text{CO}_2\text{Et})$ , with cooling to a soln. of 26.1 g. Na in 224 g. abs.  $\text{Et}_2\text{O}$ , then 145 g. freshly prep'd.  $\text{MeC}(\text{NH}_2)\text{CHCO}_2\text{Et}$  in portions, refluxing 12 hrs., letting stand 6 hrs., stirring, washing the ppt. briefly with ice-cold  $\text{Et}_2\text{O}$ , drying on carbonare, dissolving in  $\text{H}_2\text{O}$ , making acid to pH 2.0-3.5 with 5%  $\text{H}_2\text{SO}_4$ , and letting the cheese-like white ppt. stand until it crystd. The following I derivatives were prep'd.: *4*-Br, m. 349-50° (from  $\text{Br}(\text{CH}_3)_2$ ), by Br-AcOH treatment at room temp. (the mother liquor yielded  $\text{MeC}(\text{CBr}(\text{CH}_3)_2)\text{CHCO}_2\text{Et}(\text{Br})\text{C}(\text{O})\text{NH}_2$ , m. 165-6°, which could also be obtained as the only product in 1.4-g. yield by treating I in 53 ml. HCl with ice water), free acid, m. 208° (decompn.) (from glacial AcOH); *4*-Iodo (II), by treating I with alk. iodine 10 hrs. at room temp., long white needles, m. 228° (decompn.) (from  $\text{MeOH}$ ); free acid, m. 220° (decompn.) (from  $\text{MeOH}$ ); *4*- $\text{O}_2\text{N}$ , from I with 1/2  $\text{HgSO}_4\text{-HNO}_3$  at 10-15°, m. 200-1° (from  $\text{HgOH}$ ), free acid, m. 237° (decompn.) (from  $\text{HgOH}$ ); *4*,*4*-Dihydroxy-*4*-methyl-3-pyridinecarboxylic acid hydrazide (III), yellow needles, m. 238° (from 80%  $\text{HgOH}$ ), and *bis*(*4*,*4*-dihydroxy-*4*-methyl-3-pyridinecarboxylic acid hydrazide), colorless needles, m. 200° (from  $\text{H}_2\text{O}$ ), were prep'd. from the corresponding acids by treatment with  $\text{N}_2\text{H}_4$ . III refluxed with glucose in eq. soln. gave a glycoside, yellow crystals, m. 168-9°, which on boiling with alk.  $\text{BH}_3$  gave *bis*(*4*,*4*-dihydroxy-*4*-methyl-3-pyridinecarboxylic acid), m. 230° (decompn.) (from  $\text{HgOH}$ ). Edward H. Sutters

Kloes, J.

✓ Chemical constitution and anti-totic action of lichen substances. J. Kloes, *Pharmazie* 1, 434-42 (1956); cf. C.A. 49, 19227. REVIEW with 50 references. The lichen principles exhibit antituberculous properties *in vitro* and *in vivo*.

NY Among the principles discussed are fatty acids, lactones, phenolic compounds, including the depsides and depolones, which are decidedly active against the tubercle organism, the effect varying with the particular compound. Many compounds are too toxic to be therapeutically applicable. C. M. Bocking

*Klosa, Josef*

Arch. Pharm. 230, 104-5 (1963); cf. *Arch. Pharm.* 230, 104-5 (1963).—Since the esters of  $\text{PhCH}(\text{NH}_2)\text{CO}_2\text{H}$  and  $\text{PhCH}(\text{NH}_2)\text{CO}_2\text{H}$  are *spontaneously* in varying degree, it was attempted to prep. compds. of the type  $\text{PhCH}(\text{CONH}_2)\text{R}$ ,  $\text{NR}_2$  (I) or  $\text{PhCH}(\text{CONH}_2)\text{CH}_2\text{NR}_2$  (II). I could not be obtained by the Mannich reaction with  $\text{PhCH}_2\text{CN}$  at room temp. or on the steam bath, and on long boiling in *an* medium only  $\text{PhCH}_2\text{CO}_2\text{H}$  and  $\text{PhCH}_2\text{CONH}_2$  were obtained. An attempt was made to prep. II via the correct adding  $\text{PhCH}(\text{CN})\text{CH}_2\text{CH}_2\text{NR}_2$ ; thus,  $\text{PhCH}_2\text{CN}$  with  $2\text{M NaCN}$  (III) gave  $\text{PhCH}(\text{CN})\text{CH}_2\text{CH}_2\text{NM}_2$  (IV), and  $\text{PhCH}_2\text{CN}$  with 2-piperidinoethyl chloride (V) gave  $\text{PhCH}(\text{CN})\text{CH}_2\text{CH}_2\text{NC}_2\text{H}_5$  (VI) in the presence of  $\text{NaNH}_2$ . Similarly, IV with an excess of III gave  $\text{Ph}(\text{CN})\text{CH}_2\text{CH}_2\text{NM}_2$  (VII). Reduction of IV with Raney Ni gave  $\text{Ph}(\text{CH}_2\text{CH}_2\text{NH}_2)\text{CH}_2\text{CH}_2\text{NM}_2$  (VIII). IV could not be transformed into the corresponding acid or its esters; treatment in *abs*  $\text{MeOH}$  or  $\text{EtOH}$  with gaseous  $\text{HCl}$  gave only  $\text{Ph}(\text{H})\text{CH}_2\text{CH}_2\text{NM}_2$  (IX) (cf. Mannich and Heisler, *Ber.* 66, 261 (1933)). VI with either concd.  $\text{H}_2\text{SO}_4$  or *abs*.  $\text{H}_2\text{SO}_4$  or  $\text{NaNH}_2$  in  $\text{PhMe}$  gave  $\text{PhCH}(\text{CONH}_2)\text{CH}_2\text{CH}_2\text{NC}_2\text{H}_5$  (X). The addn. of a Ph group to IV, giving  $\text{Ph}(\text{CN})\text{CH}_2\text{CH}_2\text{CH}_2\text{NM}_2$  (XI) (cf. Bockmühl and Kersch, *C.A.*, 43, 4243a), yields a much more stable nitro, which on prolonged boiling with  $\text{NaNH}_2$  in xylene gave  $\text{Ph}(\text{H})\text{CH}_2\text{CH}_2\text{CH}_2\text{NM}_2$  (XII). All compds. showed less *spontaneous* a *time* than the esters of  $\text{PhCH}(\text{NH}_2)\text{CO}_2\text{H}$  or  $\text{PhCH}(\text{NH}_2)\text{CO}_2\text{H}$ . IV,  $\text{HCl}$ , leaflets, m. 184-6° (from  $\text{EtOH}$ - $\text{Et}_2\text{O}$ ), was prep'd. in 25 g. (D-20) yield by adding 20 g.  $\text{PhCH}_2\text{CN}$  in 50 ml. *abs*.

$\text{CaH}_2$  in 10 g. *pet* *et*.  $\text{NaNH}_2$  in 100 ml. *abs*.  $\text{CaH}_2$  at 10-12°, stirring 10 min., adding 25 g. III in 20 ml. *abs*.  $\text{CaH}_2$  drop by drop with the temp. kept below 25°, stirring 1 hr., at 40-5°, refluxing 1 hr., cooling, adding 100 ml.  $\text{H}_2\text{O}$ , shaking, adding 250 ml.  $\text{HCl}$ , shaking, etc., the  $\text{CaH}_2$  layer pass. more with 100 ml.  $2\text{M HCl}$ , making the combined  $\text{HCl}$  *et* *al.* with  $\text{KOH}$ , *et* *al.* with  $\text{Et}_2\text{O}$ , evapg. the ether, and adding IV,  $\text{HCl}$  from Et<sub>2</sub>O with  $\text{HCl}$  gas. VI,  $\text{HCl}$ , m. 165-7°, was prep'd. smoothly from 30 g. V and 30 g.  $\text{PhCH}_2\text{CN}$  (yield not given). VII,  $\text{HCl}$ , m. 205-70°, was prep'd. in 6.5 g. yield by adding 8 g. IV in 10 ml. *abs*.  $\text{CaH}_2$  drop by drop to 4 g. finely powdered  $\text{NaNH}_2$  in 15 ml. *abs*.  $\text{CaH}_2$  with vigorous stirring, stirring 2 hrs. at 10°, adding 14 g.  $\text{Me}_2\text{CH}_2\text{CH}_2\text{Cl}$  in 15 ml.  $\text{CaH}_2$  in 3-ml. portions over a 30-min. period, heating to the b.p. within 1 hr., refluxing 4 hrs., and working up 1 hr. IV, VIII (3.5 g. from 8 g. IV,  $\text{HCl}$ ) m. 145-7°. IX, *vacuum*, leaflets, m. 138-40° (from  $\text{Et}_2\text{O}$ ), was prep'd. by mrg. 1 g. IV in 20 ml. *abs*.  $\text{EtOH}$  1 hr. with dry  $\text{HCl}$  gas, refluxing 2 hrs., adding  $\text{H}_2\text{O}$ , making *et* *al.* *etc.*, with  $\text{Et}_2\text{O}$ , drying with anhyd.  $\text{Na}_2\text{SO}_4$ , evapg. the ether, dissolving the oily base in *abs*.  $\text{Et}_2\text{O}$ , and adding  $(\text{CO}_2)_2$  in  $\text{Et}_2\text{O}$ . X, m. 81-3° (from  $\text{MeOH}$ ), was prep'd. in 1.3 g. yield by adding 2 g. VI with stirring to 10 ml. concd.  $\text{H}_2\text{SO}_4$ , heating 1 hr. on the steam bath, cooling, pouring into ice water, shaking slightly *et* *al.*, *etc.* with  $\text{Et}_2\text{O}$ , and evapg. the  $\text{Et}_2\text{O}$ ; X,  $\text{HCl}$ , m. 234-6°.  $\text{PhCH}(\text{CH}_2\text{CH}_2\text{NM}_2)\text{CONH}_2$ , m. 90-8° (from  $\text{MeOH}$  or petr. ether), was prep'd. by treating IV 48 hrs. with cold  $\text{H}_2\text{SO}_4$ . XII,  $\text{HCl}$ , m. 160-71° (1.7 g. from 3 g. XI); XIII,  $\text{MeOH}$ , m. 175-80° (from  $\text{MeOH}$ ). *CaH* *MP*

Klosa, J.

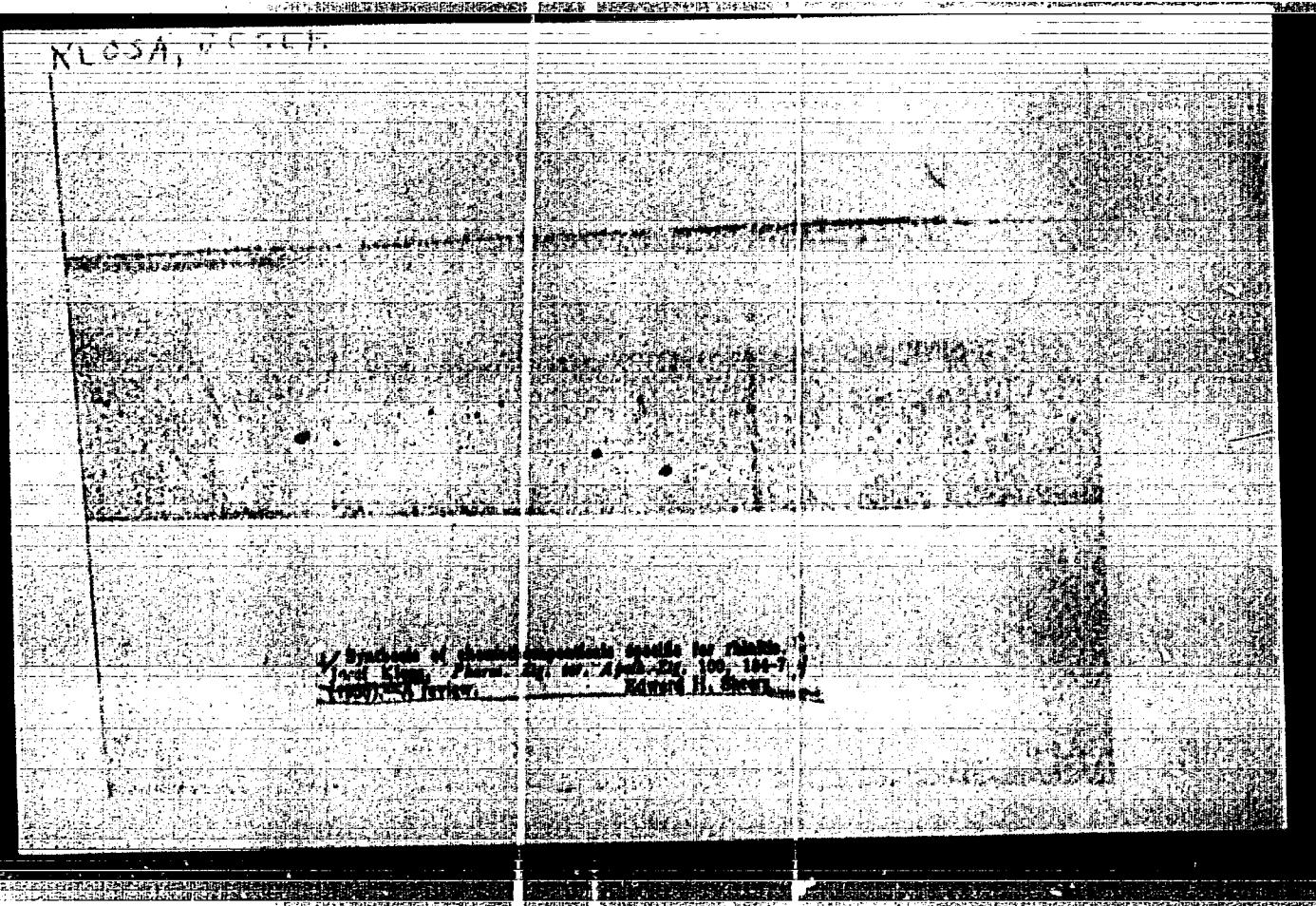
Reaction of transition metal complexes with

1. Zinc and Zincate, Part 1954  
Reaction mixture of 1 mole zinc oxide and 1 mole zinc as anhydrous or agent) in alkali is heated to 100° and separation which passes into the following form: 1. Zincate (I) is obtained by heating I for 1 hr. in an oven at 100°. 2. Zinc (II) is obtained by heating I for 1 hr. in an oven at 100°. 3. Zinc hydroxide (III) is obtained by heating I for 1 hr. in an oven at 100°. Upon the heating of I if the alkali solution is heated or kept for a considerable time formation of II is favored by air or light. II is very easily produced unless special precautions are taken. I separates from MeOH or EtOH in red crystals which gradually become colorless or often blue. 154-157°, which gradually turns to 148° after repeated crystallization or from II, which is a red crystal at 148°.

H. Wren

"APPROVED FOR RELEASE: 06/19/2000

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APPROVED FOR RELEASE: 06/19/2000

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Kloft, Joseph

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CIA-RDP86-00513R000723210015-0"



*Klopp, Josef*

See oxidized  
Arch. Pharm. 21  
H<sub>2</sub>O-wet pyridine  
2-aldehyde (I) gives pyridine-2-carboxylic  
(II) acid, m. 11-12°, pyridine-3-aldehyde (III)  
monocarboxylic acid (IV), pyridine-4-aldehyde (V), only pyridine-4-aldehyde  
hydrate, m. 70-8°, pyridine-3,5-dialdehyde (VI), pyridine-3,6-dialdehyde  
(VII), m. 225-7°, and 6-methylpyridine-1-aldehyde  
(VIII), 6-methylpyridine-2-carboxylic acid, m. 94-6°. The  
oxidation with  $\text{CrO}_3$  in  $\text{CH}_2\text{Cl}_2$  shows the following re-  
sults: II from I; IV from III; monocarboxylic acid, m. 114-20°  
from V; VII from VIII and VI; pyridine-2-carboxylic acid,  
m. 186-8°, from pyridine-3-aldehyde. This method is very  
convenient and yields pure products. John B. Müller

*John* *SM*

Klosa, Josef

*✓* The condensation of antipyrine and substituted aldehydes and ketones with 4-hydroxycoumarin. *J Am. Arch. Pharm.* 220, 145-51 (1953). — Two products were obtained by refluxing 1 g. 4-hydroxycoumarin (I) and 1.8 g. aldehyde, 20 min. in 50 cc. ethanol. On cooling yellow 3,5'-dimethylethid(4-hydroxycoumarin), m. 230°, was pptd. On further storage, orange 4-hydroxy-3-(4-hydroxy-3- $\beta$ -phenyl-3-propen-1- $\gamma$ )-coumarin, m. 183°, formed. I (0.8 g.) and 0.8 g. tosomaldehyde refluxed 30 min. in 20 cc. ethanol gave a red-brown solid, m. 100-8°, which could not be purified and was not investigated further. Heating 1 g. I and 1.8 g.  $CHCl_3$ (OH) at 140° with cooling after the reaction began to keep the temp. below 200° gave 4-hydroxy-3-( $\alpha$ -hydroxy-3- $\beta$ -trifluoromethyl)coumarin, m. 208°. Addn. of 1.8 g. I in 20 cc. ethanol to 1 g. antipyrine-4-aldehyde in a min. of hot water gave an orange ppt. of 4-hydroxy-3-(antipyrine-4-aldehydethio)coumarin, m. 140°. Refluxing 4-5 hrs. 1 g. I and 2.5 g. benzalacetone in 10 cc. water contg. 2 cc. pyridine gave upon addn. of 100 cc. of water and acidification 3-( $\alpha$ -phenyl- $\beta$ -acetylethyl)-4-hydroxycoumarin, m. 134°. The following products  $RCH_2X$  ( $X = 4$ -hydroxy-3- $\alpha$ -substituted) from condensation of 1 mole aldehyde with 2 mole I were prep'd. by refluxing several hrs. 2 g. I and 1.8 g. aldehydes in 40 cc. ethanol (R and m.p. given): 2-pyridyl, 240°; 3-pyridyl, 277°; 4-pyridyl, 173°; 6-methyl-3-pyridyl, 240°; 3-quinolyl, 225°; 4-crotonyl, 260°.

*✓* W. Wilson

KLOSA, JOSEPH

## Synthesis of salts of polyacrylic acid for oral use. Josef Klaas. A review with 67 references.

titles and the possibility of their  
being 271, 101, 261-4 (1911). — A  
listward in progress.

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CIA-RDP86-00513R000723210015-0"

KLOSA, J.

*2. Synthesis of  $\alpha$ -methyl- $\beta$ -methylcinnamyl carboxylic esters.*  
 Josef Kloss, Arch. Pharm., 260, 100-6 (1926).  
 A cold soln. of II in 6.2-M-(Hg)CO<sub>2</sub>II in 20 cc. MeOH treated with 8-10 cc. POCl<sub>3</sub>, allowed to stand overnight, and refluxed 1-2 hr. gives 12-14 g. Me ester (I), m. 243-7°. Heating 10 g. I 1 hr. at 40-55° with 25 cc. Ac<sub>2</sub>O and a few drops of concd. H<sub>2</sub>SO<sub>4</sub> gives 5,2-H(Ac<sub>2</sub>O)-C<sub>14</sub>CO<sub>2</sub>Me (III). Heating a suspension of 20 g. II in 150-200 cc. paraffin oil at 200° with 3-5 g. Na 2 hrs. gives a product which, washed with petr. ether, dried, and suitably purified, gives 3-4 g.  $\alpha$ -hydroxy- $\beta$ -methylcinnamyl (III) m. 243-8° (from AcOH, then alc.). Refluxing an alc. or H<sub>2</sub>O soln. of 0.2 mole III with 0.1 mole of the appropriate aldehyde for 1-8 hrs. gives the following:  $\beta$ ( $\alpha$ -hydroxy- $\beta$ -methylcinnamyl) (from EtOH or AcOH):  $\beta$ , $\beta'$ -methylidene (IV), m. 220°;  $\beta$ , $\beta'$ -methylidene (V), m. 182°;  $\beta$ , $\beta'$ -propylidene (VI), m. 253°;  $\beta$ , $\beta'$ -butylidene (VII), m. 213°;  $\beta$ , $\beta'$ -benzylidene (VIII), m. 227°;  $\beta$ , $\beta'$ -( $\beta$ -methylbenzylidene) (IX), m. 222°, darkens 228°;  $\beta$ , $\beta'$ -( $\beta$ -pyridylmethylidene) (X), colors 220°, m. 225° (decomp.);  $\beta$ , $\beta'$ -( $\beta$ -pyridylmethylidene) (XI), m. 208-8° (decomp.);  $\beta$ , $\beta'$ -( $\beta$ -pyridylmethylidene) (XII), colorless at 275°, m. 201°;  $\beta$ , $\beta'$ -( $\beta$ -quinoxylmethylidene) (XIII), darkens 200°, m. 205°. A soln. of 2 g. III in 18 cc. dry pyridine and a few drops of piperidine treated at 0-6° with 1.6 g. AcCl gives 1.6 g.  $\beta$ -acetyl- $\beta$ -methylcinnamyl (XIV), m. 114-15° (from alc.). Similarly a soln. of 5 g. III in 8-7 cc. 10% NaOH cooled and treated with 10 cc. Ac<sub>2</sub>O gives 4.5 g. XIV. Analogously from III with P(COCl) or (EtCO)<sub>2</sub> is obtained 85-90%  $\beta$ -propylidene- $\beta$ -methylcinnamyl (XV) m. 117-18° (from alc.). A soln. of 2 g. III in 20 cc. dry pyridine with 2-4 drops piperidine (with AcCl) on standing 2 days at 35-8° followed by suitable purifying gives 0.8 g.  $\beta$ -acetyl- $\beta$ -hydroxy- $\beta$ -methylcinnamyl (XVI) m. 142-8° (from alc.). Heating 3 g. XIV 1 hr. with 9 g.

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## K'OSA, JOSEF

AN *t* at 150-160° gives, after suitable processing, 1 g. XVI. A 1/2 part of 1 g. III in 8 cc. AcOH refluxed 20 min. with 1.6-2 cc. POCl<sub>3</sub> gives 2.1 g. XVI. Similarly from III, Fe(CO)<sub>5</sub> and pyridine; AlCl<sub>3</sub> and XVI; and III, FeCl<sub>3</sub> and POCl<sub>3</sub> is obtained, resp., 30, 33, and 80% yield of 3-*propenyl-4-hydroxy-6-methylphenoxoanisole*, m. 120-2° (from alk.). Treating 1 part III with 2.3 parts carboxylic acid and 0.5-0.8 part POCl<sub>3</sub> and refluxing 20-30 min. gives, when the melt is poured into ice water, 50-90% yield of the corresponding ketone. In this manner the following *3-4-hydroxy-6-methylphenoxoanisoles* are prepd: *caproyl*, m. 119-2°; *hexadecyl*, m. 106-6°; *octadecyl*, m. 102°; *stearyl*, m. 121°; *myristyl*, m. 107°; *capryl*, m. 100°. The following *3-hydroxy-6-methylphenoxoanisole ketones* also are prepd: *caproyl*, m. 118°; *3-(3-pyridyl)*, m. 114°; *3-(4-pyridyl)*, m. 120°; *3-(6-methyl-2-pyridyl)*, m. 117°. H. B. II

*Reapetine and isopropazine.* II. J. Geddes and F. A. Kuehl (Nat'l. Chem. Lab., India, French), *Arch. Pharm.* 219, 162-5 (1956); *cf. ibid.* 268, 417 (1951).—The ripe seeds (1.0 g.) of *Achyranthes bidens* are pulverized and the fat removed with petr. ether. The dry powder extd. 10 times with 21% alc. and the ext. concd. to 1/2 volume and centrifuged gives a soln. (I). Further concn. of I and pouring into alc. gives (2.8%) light brown *reapetine* (II). Adding HCl to I to give a 6*N* soln. and heating 2 hrs. on the water bath gives an extn. of the product with NaHCO<sub>3</sub> and acidification. 1.5% *crude isopropazine* (III), which is recrystd. from alc., giving the pure *acetylated isopropazine* (IV), *mp* 78° (Cl. C<sub>2</sub>), m. l. wt. (Raet) 420, m. 300-2°; *Meester* *mp* 78° (CHCl<sub>3</sub>), m. 199-200°. The mixed m.p.s. of the acid and its derivs. show no depression with oleandomic acid and its respective derivs. The infrared spectra are also identical. The plant-like fruits of *Sida acuta* (L.) *var.* *acuta* is pitted and dried (2 kg.) and then ground and extd. with H<sub>2</sub>O. The

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KLOSA, JOSEF

✓ Synthesis of tubercularic compounds. VIII. By the action of new hydrazines of cyanocetic acid hydrazides and isonicotinoyl hydrazides. *Jan Klyva, Arch. Pharm. 289, 198-200 (1956); cf. C.A. 50, 15784c.* The tubercularic compounds prepared showed activity in vitro of the order of that of isonicotinoyl hydrazide (I) or  $\text{NCCH}_2\text{CONHNH}_2$  (II). These hydrazides were treated with aldehydes by heating in 90-80% alc. to give the following hydrazones (hydrazide, 10% alc. and m.p. of hydrazone given): I, 4-aldehyde, 10% alc. and m.p. of hydrazone given; I, 2-quinuclidine-4-aldehyde (III),  $\text{C}_9\text{H}_{11}\text{ON}$ , 163-5°; I, 2-pyridaldehyde (IV),  $\text{C}_8\text{H}_9\text{ON}$ , 158-60°; I,  $\alpha$ -O- $\text{NCCH}_2\text{CHO}$  (V),  $\text{C}_{10}\text{H}_{11}\text{ON}_2$ , 225-7°; I, 6-tert-butyl-2-picolinaldehyde (VI),  $\text{C}_{10}\text{H}_{13}\text{ON}$ , 163-5°; I,  $\alpha$ -aceophthalic (VII),  $\text{C}_8\text{H}_8\text{ON}_2$ , 176-8°; I, levulinic acid (VIII),  $\text{C}_5\text{H}_8\text{O}_3\text{N}$ , 220-4°; II, III,  $\text{C}_9\text{H}_{11}\text{ON}_2$  (Cult. 10°); II, IV,  $\text{C}_9\text{H}_{11}\text{ON}_2$ , 208-10°; II, VII,  $\text{C}_9\text{H}_{11}\text{ON}_2$ , 163-5°; II, VIII,  $\text{C}_9\text{H}_{11}\text{ON}_2$ , 145-60°; II, VII, 2,6-dialdehyde (IX),  $\text{C}_8\text{H}_8\text{ON}_2$ , 145-60°; I, pyridine-2,6-dialdehyde (X),  $\text{C}_8\text{H}_8\text{ON}_2$ , 145-60° (with decomposition); (dihydrate) II,  $\text{C}_8\text{H}_{10}\text{O}_2\text{N}_2$ , 20-60° (with decomposition); II, X,  $\text{C}_8\text{H}_{10}\text{O}_2\text{N}_2$ , decomp. above 200° (dihydrate); II, X,  $\text{C}_8\text{H}_{10}\text{O}_2\text{N}_2$ , II, 20° (4-hydrate). *J. R. Hauer* *228*

Klosa, J

Preparation of esters of tertiary acetylenic carboxlates.

*J. Am. Chem. Soc., 80, 1124 (1957).* A mixt. of aromatic monoyl chlorides, carboxylic acids, and pyridine readily esterifies *tert*-acetylenic carboxols (cf. *Can. C.A.* 10, 8589). The following esters of 3-methyl-1-pentyn-3-ol were prep'd.: acetate, b. 141-2°; butyrate b. 143-2°; benzene, b. 133-4°; and *p*-nitrobenzoate m. 90-1°. Similarly were prep'd. 3-methyl-1-butyn-3-ol acetate, b. 138-9°; 3-ethyl-1-phenyl-1-butyn-3-ol acetate, b. 140-1°; and 3-ethyl-1-butyn-3-ol *p*-nitrobenzoate m. 90-1°. 1. *p*-nitrobenzoate

CATEGORY : Chemical Technology. Chemical Products and their Applications, Chemical Processing of Solid Fossil  
ABS. JOUR. : RZhKhim., No 19, 1959, No: 69072

AUTHOR : Kowalski, J.; Klose, J.  
INSTITUTE : -  
TITLE : Study of the Extraction of the Phenol-Containing  
Spent Caustic  
OPIC. PUB. : Koks, smola, gaz., 1958, 184-189

ABSTRACT : In the determination of phenols in the acetone extracts of tars and oils with NaOH solutions, anomalous changes of volume and formation of an additional layer is noted at times. By studying it was established that the indicated phenomena occur at concentrations of NaOH  $> 20\%$ . Solutions of NaOH having concentrations  $< 20\%$  are miscible with acetone (A) in all proportions. From spent caustic solutions, A will extract certain quantity of phenol in the form of phenolate as well as

\* Fuels.

Card: 1/2

Country : HUNGARY  
 Category : Organic Chemistry. Natural Substances and  
 Their Synthetic Analogs  
 Abs. Jour : Ref Zhur - Khim., No 5, 1959, No. 15534  
 Author : Klosa, J.  
 Institut.  
 Title : Syntheses in the Theophylline Series. V. Syn-  
 thesis of Disubstituted Xanthines  
 Orig. Pub. : J. prakt. Chem., 1958, 6, No 3-4, 182-186  
 Abstract : The synthesis of a series of theophylline deri-  
 vatives in which position 7 is substituted by  
 a  $\text{CH}_3\text{COCH}_2$  or  $\text{C}_6\text{H}_5\text{COCH}_2$  group, and position 8  
 by different amino groups, is described. 0.02  
 mole of the corresponding amine is added to  
 0.01 mole of 7-acetonyl-8-halogentheophylline,  
 and boiled for two hours in an alcoholic solu-  
 tion; during cooling, the corresponding amino  
 derivatives crystallize out with a yield of  
 60-90%. The reaction occurs even without a sol-

Card: 1/4  
 Country :  
 Category :  
 Abs. Jour : Ref Zhur - Khim., No 5, 1959. No. 15534

Title :  
 Orig. Pub. :  
 Abstract cont'd. : vent; in this case, the mixture is heated at  
 150-170° for several minutes; after cooling,  
 it is diluted with a small amount of water,  
 filtered, dried and crystallized from alcohol.  
 7-acetonyl-8-R-theophyllines (AT) are thus ob-  
 tained [original amine (RH) and m.p. of AT in  
 °C. are indicated]: piperidine (I), 148-150  
 (phenylhydrazone, m.p. 205-207°); morpholine  
 (II), 160-170 (phenylhydrazone, m.p. 210-212°);  
 methylamine (III), 252-254; diethylamine (IV),

Card: 2/4  
 Country : n - RA  
 Abs. Jour : Ref Zhur - Khim., No 5, 1959, No. 15534  
 Author :  
 Institut.  
 Title :  
 Orig. Pub. :

KLOSE O., SKYPEK, T.

Regulation of temperature of pressing forms. Pt. 1. Means of regulation  
and distribution of temperature. p. 146.

Wiadomosci Elektrotechniczne. (Stowarzyszenie Elektryków Polskich, Centralny  
Zarząd Energetyki, Centralny Zarząd Przemysłu Kablowego) Warszawa, Poland  
Vol. 15, no. 7, July 1955.

Monthly list of East European Accessions (EEA) LC, Vol./no. 2, Feb. 1960

Uncl.

KLOSE, O.: SKRYPEK, T.

Regulation of temperature of pressing forms. Pt. 2. Installation and  
preservation of regulators. p. 176.

Wiadomosci Lekcotechniczne. (Stowarzyszenie Elektryków Polskich,  
Centralny Zarząd Energetyki, Centralny Zarząd Przemysłu Kablowego,  
Warszawa, Poland Vol. 15, no. 8, 1955

Monthly List of East European Acquisitions (EAA) LC, Vol./no. 2,  
Feb. 1960

Uncl.

KLCE, Wolfgang  
SCHMITT (In caps); Given Name

Country: East Germany

Academic Degrees: /not given/

Affiliation: Physical-Technical Institute of the German Academy of  
Sciences (Physikalisch-Technisches Institut der Deutschen

Academy der Wissenschaften), Berlin

Source: Leipzig, Annalen der Physik, Vol 7, No 5-6, 1961, pp 233-242.

Data: "Theory of Electric Conductivity of Ge and Si. I. The Electron-Proton  
Matrix Elements."

KRUSZEWSKA, Jadwiga, mgr; KLOSEK, Wieslawa, inz.

Nickel-sins ferrite antennas. Prace Inst teletechn 4 no.2:103-110  
'60.

1. Pracownia Materiałów Magnetycznych, Instytut Tele i Radiotechniczny, Warszawa.

KLOSI, Sherif

Septic endocarditis lenta. Bul. univ. shtet. Tirane [Mjek] 2:  
20-32. '63.

1. Drejtori i Spitalit Klinik Nr. 1, Tirane.

KLOSI, Sherif

Endocarditis septica lenta. Studies on 20 cases treated in the  
Hospital Clinic No. 1 and observed during the period 1957-59.  
Bul. univ. Shtet. Tirane [Mjek] 2:20-32 '63.

1. Drejtori i Spitalit Klinik Nr. 1, Tirane.

MORARU, Stelian; KLOSEVIC, Viktor; LIU, Ning-yi SO, Hi.

The delegations from the lands of socialism speak. Vsem, prof.  
(MLRA 7:1)  
dvish. no.21/22:45 N '53.

1. Predsedatel' TSentral'nogo soveta profsoyuzov Rumynii (for  
Moraru). 2. Predsedatel' TSentral'nogo soveta profsoyuzov  
Pol'shi (for Klosevic). 3. Zamestitel' predsedatelya Vsekitayskoy  
federatsii profsoyuzov (for Liu, Ning-Yi). 4. Ispolnyayushchiy  
obyazannosti Ispolnitel'nogo komiteta Ob"edinennykh profsoyuzov  
Korei (for So, Hi).

KLOSEVICZ, VIKTOR

KLOSEVICZ, Viktor.

For peace in Europe and in the whole world. Voen. prof. dvizh. no. 9:13  
My '54. (MIRA 7:6)

1. Predsedatel' Tsentral'nogo soveta profsoyuzov Pol'shi.
2. Chlen Ispolnitel'nogo komiteta Voenirnoy federatsii profsoyuzov.  
(Europe—Politics)

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CIA-RDP86-00513R000723210015-0

KLOSINOWICZ, Wiktor.

Significant results. Vsen. prof. dvish. no. 10:45-47 Je '54.  
(Poland--Economic conditions) (NIRA 7:7)

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CIA-RDP86-00513R000723210015-0"

KLOKEVICH, Viktor.

Why we look toward the future with confidence. Vsem.prof.dvish.  
no.13:27 8 '54. (MLRA 7:9)

1. Predsedatel' Tsentral'nogo soveta pol'skikh profsoyusov.  
(Poland--Labor and laboring classes) (Labor and laboring  
classes--Poland)

KLOSEVICH, Viktor (Klosewicz, Viktor).

Polish trade unions solve their problems. Vsem.prof.dvish. no.11:30-  
33 N '56. (MIRA 10:1)  
(Poland--Trade unions )

KLOSIEWICZ, Wiktor

Responsibility of the working class for the organs of the  
people's power. Munka 4 no.11:6-9 N°54

1. Magyar Szakszervezetek Kosponti Tanacsai elnöke.

KLOSINSKA-DRWALOWA, Jadwiga; LASON, Mieczyslaw; OLPINSKI, Wojciech

Application of certain kinetic equations to low-temperature  
coal oxidation with hydrogen peroxide solutions. Archiv gorn.  
7 no.41451-465 '62.

KAWECKA, Jadwiga; KŁOSIŃSKA-DRWALOWA, Jadwiga; KORTA, Andrzej; LASON, Mieczysław

Influence of the concentration of solutions on the adsorption  
process of p-cresol from aqueous solutions on active coal.  
Chemia stosow 7 no.3:441-459 '63.

1. Katedra Chemii Gorniczej, Akademia Gorniczo-Hutnicza, Krakow,  
i Zaklad Mechaniki Goretwru, Polska Akademia Nauk, Krakow.

KAWIECKA, Jadwiga; KLOGINSKA-DRWALOWA, Jadwiga; LASON, Mieczyslaw

Research on the kinetics of low temperature oxidation of  
coal with hydrogen peroxide solutions. Archiw gorn 6  
no.4:346-361 '61.

KLOSINSKA-DRWALOWA, Jadwiga; LASON, Mieczyslaw; OLPINSKI, Wojciech

Comparative research on the methods of determining the tendency  
to spontaneous combustion of coal. Archiw gorn 7 no.3:253-264  
'62.

KLOGINSKA-DIWALOWA, M.; LASON, M.; KAWECKA, J.

The rate of wetting with p-Cresol solutions as a method of determining of the degree of surface oxidation of bituminous coal. p. 99

ARCHIWUM GORNICTWA. (Polaska Akademia Nauk. Komitet Gornictwa) Warszawa, Poland. Vol. 4, no. 2, 1959

Monthly list of East European Accession (EPAI) LC, Vol. 9, no. 2, Feb. 1960

Uncl.